The Wayback Machine - https://web.archive.org/web/20140212130215/http://www.abs.gov.au/websitedbs/CaSHome.nsf/Home/CaSQ+26+Calculating+Mean+Median+and+Mode…

CaSQ 26 - Calculating Mean, Median and Mode Using Excel

You can download this activity as a rich text file (RTF) using the link at the bottom of the page.

How to: Get a Random Sample from CensusAtSchool

Go to the CensusAtSchool Random Sampler to download a sample.

Reference year: *(Select year)* **Sample size:** *At least 50 students*

Select questions: *Hours of sleep on a school night*

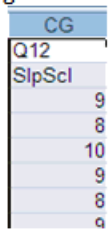
Location: *Select location* **Year level:** *(Select a range of year levels)*

To protect privacy there is a rule built into the sampler that the requested sample size cannot exceed 10% of the respondents for the parameters entered.

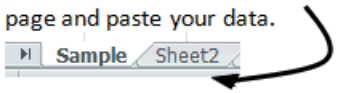
Task:

In the CensusAtSchool random sample find data for hours of sleep on a school night.

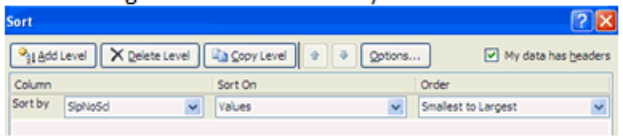
1. Move your cursor to the top of the column your curser to until you have an arrow. Click to select the whole column. Right click or go to Edit to select Copy.



2. Select a new sheet from the tab at the bottom of the page and paste your data.



3. Order your data by selecting it and going to Data > Sort and entering the reference cell for your data.



4. To find the mode you can count (or use COUNTIF) to determine the most commonly occurring value. Set up a frequency table in empty cells and fill in the mode.

	hours sleep
mode	8
mean	
median	

5. To find the Mean, place your cursor in the cell next to mean in the frequency table and enter the formula
= AVERAGE(a2:a97)

Where a2 is the first cell of the data a97 is the last cell in the column. Enter

6. Repeat this process for Median

	hours sleep
mode	8
mean	8.5394737

7. Change the number of decimal points in your answer by selecting the Number tab in the Home Menu. Click the arrow pointing to the right to reduce the number of decimal places.

8. Write a sentence explaining your results

Download the Activity: RTF

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